AMERICAN UNIVERSITY OBSERVATORY of Beirut

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MAR 24 1957
METEOROLOGICAL BUREAU

MONTHLY BULLETIN

METEOROLOGICAL SECTION

OWEN GINGERICH, DIRECTOR

GIORGIO CONTINO, ASSOCIATE DIRECTOR

BEIRUT, LEBANON

Latitude: 33° 54' 22" N.

Longitude: $2^h\ 21^m\ 52^s.7$ E.

NOVEMBER 1956

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METEOROLOGICAL REGISTER

Date	Barometer reduced to O°C Sea level and 45° Latitude 700 mm. +...				Thermometer Degrees Centigrade					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	64.8	63.5	64.3	64.2	23.5	17.1	19.2	22.4	19.3	20.3
2	64.7	63.4	64.2	64.1	22.1	17.7	19.7	21.6	19.1	20.1
3	64.2	62.3	62.2	62.9	24.0	19.8	20.0	23.1	21.5	21.5
4	61.6	60.7	61.0	61.1	26.0	21.1	23.2	25.2	23.3	23.9
5	62.3	62.0	61.4	61.9	26.7	20.9	23.6	25.2	22.4	23.7
6	59.8	58.5	60.9	59.7	25.3	16.3	24.8	23.6	21.4	23.3
7	59.8	58.6	59.3	59.2	21.5	15.1	20.1	20.0	18.6	19.6
8	58.0	57.6	57.1	57.6	18.9	13.0	17.8	17.1	15.8	16.9
9	61.9	62.9	64.8	63.2	17.0	12.5	15.0	14.3	13.3	14.2
10	65.3	65.5	67.9	66.2	17.2	12.9	15.5	16.5	14.4	15.5
11	68.9	68.1	68.8	68.6	18.2	13.9	15.1	17.6	16.8	16.5
12	68.7	67.1	67.1	67.6	19.7	15.6	15.7	18.5	16.9	17.0
13	65.2	63.7	64.2	64.4	22.1	17.0	18.3	21.7	19.2	19.7
14	64.7	64.0	64.7	64.5	22.1	16.3	18.9	20.5	18.4	19.3
15	65.5	64.6	65.0	65.0	21.2	17.3	18.4	20.7	19.6	19.6
16	66.0	64.6	64.9	65.2	22.2	17.4	18.5	21.7	19.9	20.0
17	65.0	62.9	63.6	63.8	22.2	17.3	19.2	21.9	18.9	20.0
18	63.1	61.9	63.2	62.7	22.4	16.9	20.0	21.8	19.1	20.3
19	65.8	65.0	65.0	65.3	21.9	17.6	19.4	20.8	20.1	20.1
20	63.9	62.4	63.3	63.2	27.1	18.6	20.5	24.1	23.4	22.7
21	64.8	63.4	63.4	63.9	23.4	17.2	20.3	21.1	18.6	20.0
22	63.5	61.8	62.6	62.6	21.0	16.7	18.7	20.6	18.3	19.2
23	62.9	61.9	62.1	62.3	21.0	16.7	18.9	20.8	18.2	19.3
24	63.7	63.1	62.8	63.2	21.1	18.2	18.4	19.9	18.6	19.0
25	61.2	60.9	62.2	61.4	21.5	15.1	20.1	20.8	18.6	19.8
26	62.4	61.5	61.8	61.9	20.1	14.8	17.4	19.4	15.6	17.5
27	62.0	61.3	62.3	61.9	19.3	15.6	17.6	16.6	16.4	16.9
28	63.7	63.3	64.7	63.9	19.4	14.8	16.8	18.9	16.8	17.5
29	65.3	63.5	63.2	64.0	19.8	16.1	16.2	19.1	18.2	17.8
30	62.2	62.0	63.1	62.4	23.1	18.4	22.2	21.1	21.2	21.5
31										
	63.70	62.73	63.37	63.26	21.70	16.60	18.98	20.55	18.73	19.42

Barometer, range for month 768.9 mm. — 757.1 mm.
„ 71-yr. average for month 762.63 mm.
Thermometer, range for month 27.1°C — 12.5°C
„ 71-yr. average for month 19.85°C
Rain total for month 28.95 mm.
„ 71-yr average for month 132.61 mm.
„ Total, Sept. 1st. to end of month 44.45 mm.
„ 71-yr average. Sept. 1st. to end of month 188.82 mm.

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Date	Pressure of Water Vapor Millibars				Relative Humidity per cent.				sun.	Wind per day	Rain
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean	Hrs.	Kms.	m.m.
1	14.5	14.0	14.6	14.4	66	53	64	61	7.6	266.0	
2	13.5	15.5	15.0	14.7	60	59	70	63	10.1	266.0	
3	13.1	17.1	13.3	14.5	55	60	51	55	9.9	348.0	
4	16.5	17.5	9.3	14.4	59	56	33	49	9.6	307.0	
5	13.1	18.8	15.7	15.9	45	61	59	55	7.2	285.0	
6	21.2	15.9	16.0	17.7	66	56	63	62	0.4	541.0	
7	13.6	12.0	10.8	12.1	59	51	52	54	2.0	1062.0	10.67
8	10.8	12.7	12.1	11.9	53	64	69	62	2.7	1006.0	7.37
9	10.1	10.1	10.1	10.1	58	61	65	61	3.2	369.0	5.84
10	9.7	9.2	9.6	9.5	56	50	58	55	6.4	357.0	0.25
11	9.2	11.3	9.7	10.1	54	57	51	54	9.5	521.0	
12	8.8	11.8	10.7	10.4	50	57	56	54	8.0	365.0	
13	10.8	15.5	12.4	12.9	51	60	57	56	3.7	151.0	
14	13.9	13.1	14.9	14.0	64	54	72	63	9.4	362.0	
15	13.9	14.8	15.6	14.8	66	62	71	66	8.7	304.0	
16	14.9	16.7	16.3	16.0	73	64	71	69	9.3	211.0	
17	14.0	15.5	12.4	14.0	61	61	56	59	9.1	322.0	
18	16.3	17.2	16.7	16.7	71	67	78	72	9.0	489.0	
19	15.6	18.7	20.9	18.4	70	79	90	80	8.9	254.0	
20	18.1	16.6	13.6	16.1	75	57	48	60	1.1	377.0	
21	15.2	21.3	19.3	18.6	65	85	92	81	7.7	77.0	
22	19.5	18.1	16.5	18.0	88	74	79	80	5.6	116.0	
23	16.7	15.3	16.5	16.2	77	65	78	73	3.4	132.0	
24	15.5	17.4	17.6	16.8	73	75	84	78	8.1	280.0	
25	15.8	17.0	13.9	15.6	68	72	66	69	5.2	414.0	
26	13.7	11.9	16.1	13.9	72	53	90	72	5.9	436.0	2.79
27	14.3	14.7	14.2	14.4	72	77	75	75	2.0	274.0	2.03
28	13.6	14.5	13.6	13.9	73	66	72	70	7.7	148.0	
29	13.1	14.5	12.8	13.5	72	67	60	66	9.1	533.0	
30	8.7	16.5	8.6	11.3	32	65	35	44	1.5	391.0	
31											
	13.92	15.17	13.96	14.36	63.5	62.9	65.5	63.9	6.40	365.47	0.96

Height of Barometer above sea level : **33.7 meters.**
Height of Thermometers above ground :
Dry and wet 1.25 m. ; Max. 1.30 m. ; Min. 1.50 m.
Hygrometric data from readings of wet and dry bulb thermometers exposed in a Stevenson screen, reduced according to M.O. 265.
Rim of Rain Gauge : above ground 0.66 m. ; above sea level **30.31 m.**
Rainfall is read at 20:30 for the preceding 24 hours.
71 year averages are for period, 1875-1945

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Date	Clouds clear—0 Overcast—10				Direction and force of wind			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	9cu-st	6cu-st	9cu-st	8.0	1s	1w	1w	light	
2	0	0	0	0.0	1e	1n	1n	,,	
3	0	0	0	0.0	1e	2ne	1e	,,	D.a.m
4	3ci-st	2ci	0	1.7	1e	1n	1s	,,	
5	10ci	10ci-st	10ci-st	10.0	1sw	1sw	1s	,,	
6	10ci-st	10st	10st	10.0	1ne	1ne	2ne	light	
7	10cu-st	10cu-st	9st	9.7	3w	3w	4w	slight	
8	10st-ni	10cu-st	10st	10.0	4w	3w	3w	,,	
9	10cu-st	10st	10st	10.0	2w	1n	1s	light	W.a.m
10	10cu-st	7st	10st	9.0	1s	1w	1s	,,	
11	0	0	2ci-st	0.7	1e	1ne	3ne	light	
12	5ci	10ci-st	7ci	7.3	1se	2n	1ne	,,	
13	10ci-st	10ci-st	10ci-st	10.0	1e	0	1ne	,,	
14	0	0	0	0.0	1ne	2ne	1ne	,,	
15	0	10ci	10ci	6.7	1ne	1ne	2ne	,,	
16	3ci	0	0	1.0	0	1n	1n	light	D. a.m.
17	1ci	4ci	3ci	2.7	1s	1w	1s	,,	D. a.m
18	2cu	2cu	1cu	1.7	1s	1sw	1s	,,	D. a.m. p.m
19	4ci	2ci	10ci-st	5.3	1sw	1n	1n	,,	D. a.m. p.m.
20	10ci-st	10ci-st	0	6.7	1e	1sw	1nw	calm	D. a.m
21	10ci	10ci	2ci	7.3	1sw	1nw	0	light	D. p.m
22	10ci	8ci	0	6.0	1nw	1n	1w	calm	D.a.m. p.m
23	10ci-st	9ci-st	0	6.3	1ne	1ne	1ne	light	D.a.m.p m.
24	9ci	10ci	10ci	9.7	1ne	1n	1ne	,,	D. a.m.p.m
25	10ci-st	5cu	9cu-st	8.0	1w	1w	1w	,,	
26	10st	10ci-st	10st	10.0	1s	1w	1sw	light	
27	10cu-ci	10st-cu	10st	10.0	1s	1s	1s	,,	
28	10ci-st	1cu	0	3.7	1s	1nw	1n	,,	
29	0	0	0	0.0	1n	1n	1se	,,	D.a.m
30	10ci-st	10ci-st	0	6.7	2sw	1e	1se	,,	
31									
	mean			5.94					

Abbreviations: G = gale; H = haze; M = mist; T = thunderstorm; D = dew
W = strong wind; Tr = trace of rain

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8:30	1	5	6	2	7	3	4	1	1	30
14:30	10	5	1	0	1	3	7	2	1	30
20:30	4	8	1	2	7	1	5	1	1	30
Total	15	18	8	4	15	7	16	4	3	90

Number of days with rain 6, fog 0, thunderstorms 0, gale. 0
71 yr. av. number of days with rain during month 9.4
Time of reading minus 2 hours equals G.C.T